

AMENDMENTS TO THE CLAIMS

1. (Currently amended) An apparatus for executing an action in response to a message entered by a user in a computer system, the apparatus comprising:

a user input device for receiving an input message from the user;

a parser to identify a keyword in the input message, the parser to parse the input message in real-time as the user enters the input message, the parser to associate the input message to an information object associated with the keyword and to classify the message as a particular message type; and

a user output device to provide, prior to the message being sent to a location dependent on the message type, an indication of an action to be taken by the information object in response to the message from the user.

2-20. (Canceled)

21. (Previously presented) The apparatus of claim 1, wherein

the parser is further to detect presence of the keyword in the message immediately upon the completion of the keyword, the parser to reparse the message whenever a word delimiter is detected in the message.

22. (Previously presented) The apparatus of claim 1, wherein the parser is further to reparse the message upon detection of any keystroke, to immediately detect completion of a keyword.

23. (Previously presented) The apparatus of claim 1, further comprising:

a set of information objects, each information object designed to execute one or more actions when triggered by the user.

24. (Previously presented) The apparatus of claim 1, wherein the action to be taken by the information object is based upon contents of the input message other than the keyword.

25. (Previously presented) The apparatus of claim 24, wherein the action combines data from the input message with data extracted from other sources determined by the information object.

26. (Previously presented) The apparatus of claim 25, wherein the action comprises one or more of the following: posting to one or more data repositories, querying one or more data sources, and triggering an execution of a stored program.

27. (Previously presented) The apparatus of claim 1, wherein the indication of the action is provided by the user output device at one or more of the following times: immediately upon detection of the keyword while the message is entered, and after the message completely entered but before the completely entered message is sent.

28. (Previously presented) The apparatus of claim 27, wherein the indication comprises one or more of the following: presenting output to indicate presence of the keyword to the user, and presenting user prompt information associated with the information object to the user.

29. (Previously presented) The apparatus of claim 28, further comprising:
a mechanism to override the information object, and redirect the action.
30. (Previously presented) The apparatus of claim 1, wherein
the user input device is further to enable the user to enter a command to initiate
execution of the action.
31. (Previously presented) The apparatus of claim 1, wherein
the user input device is further to allow the user to override a selection of the
information object determined by the parser and presented by the output device after
reviewing the action shown by the indication and prior to dispatching the message, and to
enable the user to select an alternate information object for execution of a desired action.
32. (Previously presented) The apparatus of claim 1, wherein
when the parser does not detect a keyword in the message, the user input device is
further to enable the user to select an information object from a list of available information
objects.
33. (Previously presented) The apparatus of claim 1, further comprising:
a list of keywords and actions each of the keywords invokes available for the user's
review while composing the message.
34. (Previously presented) The apparatus of claim 1, wherein

a user input device is further to enable the user to customize the system by adding an alias to keywords associated with the information object, the alias used to invoke the information object in subsequent user messages.

35. (Previously presented) The apparatus of claim 1, wherein

the user output device is further to present to the user, upon execution of the action, information obtained by executing the action.

36. (Currently amended) A system comprising:

an object database including a plurality of information objects, each information object coupled to one or more keywords;

a user interface to receive a user input message;

a parser to parse the user input message in real-time as a user enters the input message to detect a keyword and select an information object coupled to the keyword; and

a user output device to provide feedback to ~~a~~the user indicating an action to be taken by the selected information object prior to executing the action.

37. (Previously presented) The system of claim 36, wherein the user interface and the user output device are on a client device, and the object database and the parser are on a server.

38. (Previously presented) The system of claim 37, wherein the client device is a mobile system, further comprising a communication unit to communicate with the server.

39. (Previously presented) The system of claim 36, wherein the action is selected from the group consisting of: triggering a second information object, posting to a data repository, and querying a data source.

40. (Previously presented) The system of claim 39, wherein the second information object, comprising one or more of the following: a data repository or a data source, is on a remote server.

41. (Previously presented) The system of claim 36, wherein the user may override the selection of the information object.

42. (Previously presented) The system of claim 36, further comprising:
one or more aliases for the keyword, the aliases created by the user, to enable customization.

43. (Previously presented) The system of claim 36, wherein the system waits for user confirmation prior to triggering the information object to take action.

44. (Previously presented) The system of claim 36, wherein the parser continuously parses the user input message to immediately detect the keyword.

45. (Previously presented) The system of claim 44, wherein the user output device is further to display information to the user immediately upon detection of the keyword.

46. (Previously presented) The system of claim 44, wherein the information displayed comprises one or more of the following: the detected keyword, an identity of information object, the action to be taken by the information object, a description of the action to be taken by the information object, and a prompt instructing the user how to complete the message.

47. (Previously presented) The system of claim 36, further comprising:
a first device including the user interface and the output device, to enable the user to enter a keyword to create a message to another user;
a second device including another user interface and another user output device to be used by the other user, to receive the message from the first device.

48. (Previously presented) The system of claim 47, further comprising:
a messaging system to create the message including a header for the message based on keywords, and to send the message to the other user.

49. (Currently amended) A method to respond to a message comprising:
receiving an input message from a user;
parsing the input message in real-time as the user enters the input message;
identifying a keyword in the input message;
associating the input message with an information object associated with the keyword; and
presenting information to the user based on the information object prior to executing an action to be taken by the information object.

50. (Previously presented) The system of claim 44, wherein the parser parses the message upon detecting a word delimiter.
51. (Previously presented) The system of claim 44, wherein the parser parses the message character-by-character as each character is entered by the user.
52. (Previously presented) The method of claim 49, further comprising:
determining if no keyword is identified in the input message, and
if no keyword is identified in the input message then associating a default information object with the input message.
53. (Currently amended) An apparatus for executing action in response to a message entered by a user in a computer system, the apparatus comprising:
a user input device for receiving an input message from the user;
a parser to identify a keyword in the input message, the parser to parse the input message ~~as the message is entered~~ in real-time as the user enters the input message to immediately detect the keyword as the keyword is entered, and the parser further to associate the input message to an information object associated with the keyword; and
a user output device to provide information to the user.
54. (Previously presented) The apparatus of claim 53, wherein the parser parses the input message upon detection of a word delimiter.

55. (Previously presented) The apparatus of claim 53, wherein the parser parses the input message character-by-character as each character is entered by the user.

56. (Previously presented) The apparatus of claim 53, wherein the user input device is further to enable the user to customize keywords, by adding an alias to keywords associated with the information object, the alias used to invoke the information object.

57. (Currently amended) A system for executing an action in response to a message entered by a user in a computer system, the apparatus comprising:

a plurality of keywords, each keyword associated with one or more information objects, each information object designed to execute one or more actions;

a keyword including an alias created by a user, to customize the user's interaction with the system;

a user input device for receiving an input message from the user, the input message including at least one keyword;

a parser to identify the keyword in the input message, the parser to parse the input message in real-time as the user enters the input message, the parser to associate the input message to an information object associated with the keyword in the input message; and

a user output device to provide feedback to the user.

58. (Previously presented) The apparatus of claim 1, wherein the message is to be sent to another user if the message type is a shared message type.

59. (Previously presented) The apparatus of claim 1, wherein the message is to be sent to storage if the message type is a personal message type.